

Sibur 1045-12 Compound 948 Polyvinyl Chloride (PVC)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Molded

Material Notes:

Shall correspond to control sample, approved in accordance with the established procedure. Pores, which can be seen by eyes, are not allowed. Plastic shall no burn at stop of worm extruder for a period of 20 minutes. For insulation of wires and cables operating in intervals of temperatures from -40Â°C to 70Â°C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sibur-1045-12-Compound-948-Polyvinyl-Chloride-PVC.php

Physical Properties	Metric	English	Comments
Density	1.20 - 1.25 g/cc	0.0434 - 0.0452 lb/inÂ³	
Water Absorption	<= 0.30 %	<= 0.30 %	
Collected Volatile Condensable Material	<= 2.5 %	<= 2.5 %	Loss in mass at 160Â°C during 6 hours

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 11.7 MPa	>= 1700 psi	
Elongation at Break	>= 350 %	>= 350 %	

Thermal Properties	Metric	English	Comments
Softening Point	160 - 180 Â°C	320 - 356 Â°F	
Brittleness Temperature	<= -45.0 Â°C	<= -49.0 Â°F	
Flammability Test	<= 30	<= 30	In seconds, method A

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+12 ohm-cm @Temperature 20.0 Â°C	>= 1.00e+12 ohm-cm @Temperature 68.0 Â°F	

Descriptive Properties	Value	Comments
Color	Non-colored, black, white	
Elongation Retained After Ageing	85%	Aged for 7 days at 100Â±2Â°C
Number of Inclusions	<29 psc	With dimensions up to 0.5 mm

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